

COPY OF PAPERS
ORIGINALLY FILED

Attorney Docket No.: A-64260-4/RMS/AMS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

NOLAN, et al.

Serial No. 09/919,635

Filed: July 31, 2001

For: METHODS FOR SCREENING
FOR TRANSDOMINANT
INTRACELLULAR EFFECTOR
PEPTIDES AND RNA
MOLECULES

Examiner: Unknown

Group Art Unit: 2781 ¹⁶²⁷

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed
enclosures, is being deposited with the United States Postal
Service as First Class Mail in an envelope addressed to:
Assistant Commissioner for Patents, Washington, DC 20231
on 1-31-02

Signed: Marjorie Jost

Marjorie Jost

INFORMATION DISCLOSURE STATEMENT
AND STATEMENT OF RELATEDNESS

Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED

FEB 20 2002

Technology Center 2100

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the References cited on the accompanying form PTO-1449. Since copies of the references were provided either by Applicant or Examiner in United States Serial Nos. 09/727,715, filed November 28, 2000; 08/963,368, filed November 3, 1997; 08/789,333, filed January 23, 1997 (now U.S. Pat. No. 6,153,380); 08/787,738, filed January 23, 1997; 08/589,109, filed January 23, 1996; or 08/589,911, filed January 23, 1996, upon which the instant application relies for its priority date, in accordance with 37 C.F.R. § 1.98(d), no copies of these references are enclosed with this document.

Serial No.: 09/919,635

Filed: July 31, 2001

None of the foregoing references is believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

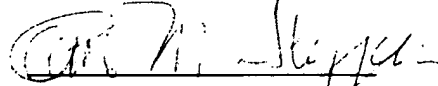
Applicants also wish to draw the attention of the Patent Office to the related U.S. applications: serial number 09/918,601, filed July 30, 2001 and serial number 09/916,940, filed July 27, 2001; all of which are now pending.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required. The Commissioner is authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-64260-4/RMS/AMS).

Respectfully submitted,

FLEHR, HOHBACH, TEST,
ALBRITTON & HERBERT

Dated: January 31, 2002



Anne M. Shyjan, Reg. No. 47,086 for
Robin M. Silva, Reg. No. 38,304

Four Embarcadero Center
Suite 3400
San Francisco, CA 94111-4187
Telephone: (415) 781-1989

FEB 13 2002

PTO-1449

SERIAL NO
09/919,635

FILING DATE
July 31, 2001

GROUP
2781

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Rayner and Gonda, "A Simple and Efficient Procedure for Generating Stable Expression Libraries by cDNA Cloning in a Retroviral Vector," <i>Mol Cell Biol</i> 14(2):880-887 (Feb 1994)
C2	Gudkov et al., "Cloning mammalian genes by expression selection of genetic suppressor elements: Association of kinesin with drug resistance and cell immortalization," <i>Proc. Natl. Acad. Sci. USA</i> 91:3744-3748 (Apr 1994)
C3	Whiteway et al., "Dominant negative selection of heterologous genes: Isolation of <i>Candida albicans</i> genes that interfere with <i>Saccharomyces cerevisiae</i> mating factor-induced cell cycle arrest," <i>Proc. Natl. Acad. Sci. USA</i> 89:9410-9414 (Oct 1992)

DATE CONSIDERED

8085 1449A.FRM (8/95)

RECEIVED

SHEET 3 OF 4

INFORMATION DISCLOSURE CITATION FEB 13 2002 PTO-1449		ATTY. DOCKET NO. A-64260-4/RMS/AMS	SERIAL NO. 09/919,635	MAY 01 2002	
		APPLICANT NOLAN, et al.			TECH CENTER 1600/2900
		FILING DATE July 31, 2001	GROUP 2781	RECEIVED	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
C4	Scott and Craig, "Random Peptide Libraries," <i>Current Opinion in Biotechnology</i> , 5:407-48 (1994).				
C5	Hupp et al., "Small Peptides Activate the Latent Sequence-Specific DNA Binding Function of p53," <i>Cell</i> , 83:237-245 (1995).				
C6	Cadwell and Joyce, "Randomization of Genes by PCR Mutagenesis," Abstract excerpted from: <i>PCR Methods and Applications</i> , 2(1):28-33 (1992) (Abstract No. XP 002033396).				
C7	Fong et al., "Scanning Whole Cells with Phage-Display Libraries: Identification of Peptide Ligands that Modulate Cell Function," <i>Drug Development Research</i> , 33:64-70 (1994).				
C8	Palzkill et al., "Selection of Functional Signal Peptide Cleavage Sites from a Library of Random Sequences," <i>J. Bacteriology</i> , 563-568 (1994).				
C9	Pear et al., "Production of High-Titer Helper-Free Retroviruses by Transient Transfection," <i>PNAS USA</i> , 90:8392-8396 (1993).				
C10	Kitamura et al., "Efficient Screening of Retroviral cDNA Expression Libraries," <i>PNAS USA</i> , 92:9146-1950 (1995).				
C11	Luzzago et al., "Mimicking of discontinuous epitopes by phage-displayed peptides. I. Epitope mapping of human H ferritin using a phage library of constrained peptides," <i>Gene</i> 128:51-57 (1993)				
C12	Wong et al., "High-Efficiency Identification of Genes by Functional Analysis from a Retroviral cDNA Expression Library," <i>J. Virology</i> 68(9):5523-5531 (1994)				
C13	Gudkov et al., "Isolation of genetic suppressor elements, inducing resistance to topoisomerase II-interactive cytotoxic drugs, from human topoisomerase II cDNA," <i>Proc. Natl. Acad. Sci. USA</i> 90(8):3231-3235 (1993)				
C14	Kaufman, "Vectors Used for Expression in Mammalian Cells," <i>Meth. Enzymol.</i> 185:487-511 (1990)				
C15	Nilsson et al., "Fusion proteins in biotechnology and structural biology," <i>Curr. Opin. Struc. Biol.</i> 2:569:575 (1992)				
C16	Jellis et al., "Defining critical residues in the epitope for a HIV-neutralizing monoclonal antibody using phage display and peptide array technologies," <i>Gene</i> 137:63-68 (1993)				
C17	Drucker et al., "Generation of a large library of point mutations in polyoma middle T antigen," <i>Nuc. Acids Res.</i> 19(24):6855-6861 (1991)				
C18	van den Hazel et al., "Random Substitution of Large Parts of the Propeptide of Yeast Proteinase A," <i>J. Biol. Chem.</i> 270(15):8602-8609 (1995)				
C19	Caldwell et al., "Molecular determinants of bioactivity of the <i>Saccharomyces cerevisiae</i> lipopeptide mating pheromone," <i>J. Biol. Chem.</i> 31:19817-23 (1994)				
C20	Groger et al., "Directional antisense and sense cDNA cloning using Epstein-Barr virus episomal expression vectors," <i>Gene</i> 81(2):285-94 (1989)				
C21	Yang, "Protein-peptide interactions analyzed with the yeast two-hybrid system," <i>Nuc. Acids Res.</i> 23(7):1152-6 (1995)				
C22	Cull et al., "Screening for receptor ligands using large libraries of peptides linked to the C terminus of the <i>lac</i> repressor," <i>Proc. Nat. Acad. Sci.</i> 89:1865-69 (1992)				
C23	Martin et al., "The affinity-selection of a minbody polypeptide inhibitor of human interleukin-6," <i>EMBO J</i> 13(22):5303-5309 (1994)				
EXAMINER		DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION FEB 13 2002 PTO-1449		ATTY. DOCKET NO. A-64260-4/RMS/AMS	SERIAL NO. 09/919,635	RECEIVED FEB 20 2002
		APPLICANT NOLAN, et al.		
		FILING DATE July 31, 2001	GROUP 2781	Technology Center 2100
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
C24	Berkhout and Klaver, "In vivo selection of randomly mutated retroviral genomes," <i>Nucleic Acids Res.</i> 21(22):5020-5024 (1993)			
C25	Gavin et al., "Major histocompatibility complex class I allele-specific peptide libraries: identification of peptides that mimic an H-Y T cell epitope," <i>Eur J. Immunol.</i> 24:2124-2133 (1994)			
C26	Abbas, et al., Chapter 11, "Cytokines", in <i>Cellular and Molecular Immunology</i> W.B. Saunders Co., Philadelphia, PA (1994)			
C27	Roninson et al., "Genetic Suppressor Elements: New Tools for Molecular Oncology - Thirteenth Cornelius P. Rhoads Memorial Award Lecture," <i>Cancer Res</i> 55:4023-4028 (Sep 1995)			
C28	Murphy and Efstratiadis, "Cloning vectors for expression of cDNA libraries in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 84:8277-8281 (Dec 1987)			
C29	LaBean and Kauffman, "Design of synthetic gene libraries encoding random sequence proteins with desired ensemble characteristics," <i>Protein Science</i> 2:1249-1254 (1993)			
C30	Deng et al., "Basis for selection of improved carbohydrate-binding single-chain antibodies from synthetic gene libraries," <i>Proc. Natl. Acad. Sci. USA</i> 92:4992-4996 (May 1995)			
C31	Virnekäs et al., "Trinucleotide phosphoramidites: ideal reagents for the synthesis of mixed oligonucleotides for random mutagenesis," <i>Nucleic Acids Res</i> 22(25):5600-5607 (1994)			
C32	Ito et al., "A general method for introducing a series of mutations into cloned DNA using the polymerase chain reaction," <i>Gene</i> 102:67-70 (1991)			
C33	Stuhlmann et al., "Introduction of a selectable gene into different animal tissue by a retrovirus recombinant vector," <i>Proc. Natl. Acad. Sci. USA</i> 81:7151-7155 (Nov 1984)			
C34	Winnacker, E-L, <i>From genes to clones: Introduction to Gene Technology</i> , Weinheim, New York: VCH, pp. 260-270 (1987)			
C35	Winnacker, E-L, <i>From genes to clones: Introduction to Gene Technology</i> , Weinheim, New York: VCH, p. 359 (1987)			
C36	Winnacker, E-L, <i>From genes to clones: Introduction to Gene Technology</i> , Weinheim, New York: VCH, pp. 363-370 (1987)			
C37	Winnacker, E-L, <i>From genes to clones: Introduction to Gene Technology</i> , Weinheim, New York: VCH, pp. 373-374 (1987)			
C38	Caldecott, et al., "An Interaction between the Mammalian DNA Repair Protein XRCC1 and DNA Ligase III," <i>Mol Cell Biol</i> 14(1):68-76 (1994)			
C39	Youssoufian, H, "Localization of Fanconi anemia C protein to the cytoplasm of mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 91:7975-7979 (Aug 1994)			
C40	Priority document, Denmark Patent Application No. 0629/95, titled "A Method for Identification of Biologically Active Peptides and Nucleic Acids" (June 2, 1995)			
C41	Kim et al., "Diversified sequences of peptide epitope for same-RNA recognition," <i>Proc. Natl. Acad. Sci. USA</i> 90:10046-10050 (Nov 1993)			
EXAMINER		DATE CONSIDERED		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

MAY 01 2002

TECH CENTER 1600/2900